Monsanto

PERSONAL & CONFIDENTIAL

FROM M.

M. E. Whelan - WGK

Da.

March 2, 1983

D. Edwards - B2SE

Chlorophenol Decontamination

B. Fay
D. Lynch

REFERENCE

TO

F. Matthews E. Stewart

As a part of the decontamination of the Chlorophenol equipment, we will be developing wash procedures to remove the residual material. The question at hand is how clean is clean or must clean be? I propose that the final rinse water be analyzed for total chlorophenol content and the equipment be declared clean if the rinse water has less than 50 PPM chlorophenols. This is the same level used for PCB's for legal contamination determination. This level will also insure any trace impurities are well below current detection method limits. Our current wash practices should be sufficient to meet this criterion. We will be running some plant tests to verify that this level is achievable. We do plan to use caustic, if necessary, to effectively clean the equipment.

The current plans called for a controlled scrap of all equipment unless an approved alternate use is identified. Railcars will either be scrapped, returned to the lease company or placed in alternate service. We do not anticipate restricting use of this equipment from anything but food grade service.

This wash level is a key to our cleaning plan and will be the level we establish unless otherwise directed.

M. E. Whelan

/bb

√lonsanto

4 CB- 233

RCM D. J. Kalota - Q2E NAME-LOCATION-PHONE) November 23, 1982 D. K. Lynch - 1740 £ J. W. Mottern - 02E J. C. Peduzzi EPA'S FINAL RULE ON PCB'S IN - 1740 'CLOSED AND CONTROLLED WASTE W. R. Richard - R4B MANUFACTURING PROCESSES" Federal Register, Vol 47 (No. 204), ГО October 21, 1982

D. H. Bolliger - R4B

The final EPA rule regulating PCB's in closed and controlled waste manufacturing processes has, 1) set limit of quantitation (LOQ) for PCB's in product or waste at 2 ppm/GC peak, 2) increased the number of acceptable waste disposal mechanisms, 3) instituted new record-keeping and reporting requirements.

Processes that qualify as closed or controlled waste facilities are excluded from the TSCA section 6(e) ban. By my interpretation, the chlorobenzene process at WGK does qualify for the exclusion with respect to products and wastes from stills. We now know that all distilled products and PDCB from these processes contain less than the EPA established cutoff of 2 ppm/peak. Also, the waste residues that contain >50 ppm PCB's are handled in accordance with the existing PCB disposal and marking rule (43FR7150). The HCl carbon is still being evaluated. Analysis of carbon samples indicates that they do contain PCB's. The EPA rule permits disposal in a qualified incinerator or in an EPA approved PCB landfill waste containing PCB's between the LOQ and 50 ppm.

To qualify for the exclusion, the following recordkeeping and reporting requirements must be met:

- 1. Certify that the process qualifies.
- Notify the EPA of the certification and how they made the determination.
- 3. Maintain a record of the determination that the process qualifies for exclusion.

The EPA's preferred analytical method is the capillary gas chromato-graphy/electron impact mass spectrometer (CGC/EIMS). The GC/MS method that was used in our recent study of the process was equivalent to the EPA method but used a packed column instead of a capillary column.

D. J. Kalota

PESIONE

2/2/83- Intethe lower Pesione

EPA/CEPRO COPPER/EIL/PCB ATTORNEY WORK PRODUCT / ATTORNEY CLIENT PRIVILEGE

Monsanti

PERSONAL & CONFIDENTIAL

M. E. Whelan - WGK

February 25, 1983

F. Matthews

B. Fay

Waste Disposal from Chlorophenol and Santophen Decomissioning and AFFFERNCE

Dismantling

- Dick Sinise TO Andy Quick

> In the shutdown of our Chlorophenol and Santophen operations, we will generate several waste streams that will require proper disposal. I would like your input relative to the following plan for disposition of these waste streams.

Santophen Decomissioning

These streams will be small quantities of the existing Santophen streams including intermediates. They might also include some isopropyl alcohol from residual solution storage tanks. This is the only compound that would not be present in our current Santophen residue. He propose treating all these streams as Santophen residue and incinerating under our existing Rollins contract. Quantity is estimated at less than one tank trailer.

Chlorophenol Decomissioning

The majority of the Chlorophenol residual material we should be able to mix and sell as OCP Crude Fractions to our existing customers. Any further residual material we will blend with the Santophen extracted residue from the acidifier and incinerate under our existing Rollins contract.

Chlorophenol Still Residue

The still residue including a fuel oil flush of both the still bot and storage tank will be incinerated under the soon to be finalized contract with Rollins Deerpark. We will use the same terms and transportation armangements planned for the current residue.

Dick Simise, Andy Quick
Waste Disposal from Chlorophenol
and Sartophen Decomissioning and Dismantling

Page 2 WGK 2/25/83

Santopnen Decontamination

Our current plans call for hot caustic wash followed by cold rinses for all the process equipment. Washings will continue until we reach some yet to be defined chlorophenol level in the wash water. The washes will be sewered per current practice. During this period, we will be monitoring sewer discharges daily for chlorophenols to avoid permit excursions at the waste treatment plant.

Chlorophenol Decontamination

Our plans again call for hot caustic washes followed by cold rinses until our residual chlorophenol level in the wash drops below our target. Wash water will be treated in the acidifier to remove phenolics unless the water analysis shows the phenolic level below the normal acidifier water discharge level. In this case, the water will be directly sewered. Daily sewer phenolic monitoring should avoid permit excursions at the waste treatment plant. Water used to wash the still pot and residue still will be treated regardless of phenolic level.

In addition, we will need disposal locations for the tank and pipe insulation and for the contaminated dirt and concrete that we remove. We will be getting core samples in March to better quantify the amount of dirt excavation needed.

These are the needs as we see them at this time. What are your thoughts on the subject?

M. E. Whelan

/bb

DEPT. 237 WASHOUT TRANSFER SHEET

79

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
410	Sewe ~	46	12-12	11 15	353/
				ļ	
				 	ļ
			<u> </u>		
			 	 	
			<i>:</i>		
		·			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

78

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
210	Sewer	35	12-7	3 15	418
·- 					
· 					
		·			
			,		·
		-			
				•	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
601	SEW) TR	50	10/12	11 Am	37.12
					}
					·
					
					

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

74

					
From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
601	SEWER	150	10/11	300 2 Pm	3545
			<u> </u>		
					
			· .		
				.	<u>,</u>

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
601	SEWER	450	10/10	12 NOON	35%5-
			ļ		
	ļ			ļ	
					ļ
				 	
				-	
				 	
	 				
·					
					
		·	·i		·

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

62

DEPT. 237 WASHOUT TRANSFER SHEET

To From Tank No. Tank No. Phenol Content Date Time Operator 10/6 CRUEBER ewer 22 57

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MCG 8769950

DEPT. 237 WASHOUT TRANSFER SHEET

5	From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
	114		3	Resan	PLE-74	58
			ļ		 	
-				+		
-				+		
				-		
						
-				-		
-						
-				 		
-						
}-						
-						
-						
-		· · · · · · · · · · · · · · · · · · ·				
-					· ·	, :

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MCG 8769951

DEPT. 237 WASHOUT TRANSFER SHEET

43

From	То	T		1	}
Tank No.	Tank No.	Phenol Content	Date	Time	Operator
alonnator 126	126	30	10/2/8	10 AM	57
126	Sewer	220	10/5	10 4 9	57
			· .		
		·			
					ļ
			·		
		-			
					,

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

62

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Simbles	Sew ER	260	10/3/63	4/20	3521
		,	ļ		
			ļ		
			-		
					·
	· · · · · · · · · · · · · · · · · · ·				
ļ					
					,
					<u>·</u>

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

61

From To Tank No. Tank No. Phenol Content Date Time Operator SEWER 201 10/3 3545 350

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MC0 8769954

DEPT. 237 WASHOUT TRANSFER SHEET

bo

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
202	126	2	10/3/83	400	3595
202	126 SEWER	110	10/4/83	1000 m	3595 57
					-
					
			·		
					·
		·			
					
		-			
					
					,

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operat
160	114	2	10/4	500	354
114	101-SCRUBBE 124 601 405	26	10/5	600 Am 10 Am	354 418
126	601	26	10-6	10 30m	418
601	405				
		: 			
					
					·
					
		·			,

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MCQ 8769956

DEPT. 237 WASHOUT TRANSFER SHEET

	From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
	Calor	SEWER	65	10/3/83	500	3545
-					· · · · · · · · · · · · · · · · · · ·	-
}						
İ						
-						
-						
-						
f						
Ī						
-			4			
-	·					
+						
+					·	,
1						·

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT, 237 WASHOUT TRANSFER SHEET

59

				, 	
From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
201	405	71000	9/30	600 PM	78
			ļ		
			ļ ·		
			· ·		
				·	
			-		
					<u> </u>
				_	
					,

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MCG 8769958

DEPT. 237 WASHOUT TRANSFER SHEET

57

					
From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
112	163	<./ 50	9/30	230 8 gm	4/8
163	163 Sewer	50	9/30	8 PM	4/8 78
			·		
~					
			ļ		
			-		
				· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·					
				·	
					·

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

56

From	То	1	1	1	7
Tank No.	Tank No.	Phenol Content	Date	Time	Operator
///	163	41	9/30	230 800 800	418
163	163 Sewer	50	9/30	800	78
· · · · · · · · · · · · · · · · · · ·					
					·
		·			
					,

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

54

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
201		11.60			
2nd	Tampa.	11.60 71002 Sangele #5			
	See	Sangele #5	7	ļ	
				 	
			·		
				<u> </u>	
					
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
					
	· .	· · · · · · · · · · · · · · · · · · ·			
					<u></u>

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
165	164	12.5	9/30	11 Am	418
164	164 Sewer	12.5	9/30	800 8 PM	418
					
		-	-		
				· · · · · · · · · · · · · · · · · · ·	
		· · · · · · · · · · · · · · · · · · ·			
		-			
· · · · · · · · · · · · · · · · · · ·					
					<u>'</u>

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

52/	From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
	164	163	100	9/19	100	78
	See	163 Sange	Re # 56			
		0		1		
-	 			-		-
}			 	· ·		
-			 	-		
-						
-				· ·		
ŀ					,	
t						
İ						
						
-						
-					·	,

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

51

From	То	T	T		
Tank No.	Tank No.	Phenol Content	Date	Time	Operator
152	126	50	9/30	9:30	57
152	126 Sewer	325	9/30		18
· ir					
, I.					
		·			
					
					
					,
					<u> </u>

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MCG 8769964

DEPT. 237 WASHOUT TRANSFER SHEET

50

				,	
From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
202	Sewer	50	9/29	230	2059
			/		
		`			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

NCO 8769965

DEPT. 237 WASHOUT TRANSFER SHEET

49

From	То	T	T		
Tank No.	Tank No.	Phenol Content	Date	Time	Operator
160	165	6	9/28	108	78
165	165 Held	15			78 Odom
			-		
			ŕ		
			:		
		·			
					,

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

-48

To Tank No.	Phenol Content	Date	Time	Operator
164	125	9-28-83	9 FM	ã059
163		9/28	330	78
405	21000	9/29	00%	78
		-		
	:			
			· · · · · · · · · · · · · · · · · · ·	
				
······································				
				
			· · · · · · · · · · · · · · · · · · ·	
				
	· · · · · · · · · · · · · · · · · · ·			
				,
		Tank No. Phenol Content 164 135 163 350 405 >1000	Tank No. Phenol Content Date 164 135 9-28-83 163 350 9/28 405 >1000 9/109	Tank No. Phenol Content Date Time 164 135 9-28-83 95m 163 250 9/28 338 405 >1000 9/14 699

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

17

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
202	405	>1000	9/28	12 NOON	57
		-			
			"		
	·				
					,

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

46

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
414	SEWER	150	9/27	300	418
		ļ			ļ
					-
	 				·
<u> </u>					
				 	
					
	· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u> </u>	<u>, </u>

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenal Content	Date	Time	Operator
126	405	7/0:3	9/27	230	
=					
					-
	 		 		
			 		ļ
					
			÷	<u> </u>	
		<u>.</u>			
			٠.		
				- 	
					
					
					

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

#44

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
152	Sewer	9	9/21	300	57
			-		
					
			: ÷		
. 1					·
			¢.		ļ
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

B

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
414	409	7/000	9/17	/ZNoos	418
			ļ		
		·			
					
			ļ		

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MCQ 8769972

DEPT. 237 WASHOUT TRANSFER SHEET

42

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
114	Seweir	75	9/27	800 80m	18
=					
			-		
			ļ		
	-, -, -, -,, ,				
			ļ		ļ
		·	ļ		
			ļ	<u> </u>	
					

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

41.	From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
	Chlor	164		1-26-0	y 200	75
	Chlor 164	164 Sewer	650	9/27	120 pm	79
						
		 		ļ		
		<u> </u>				
				}		
İ				 		
				-		·
			·			
			·			
1						

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

#40

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
160	165	4	9/26	900 Am	57
160	165	Saver.	9/27	348	57 418
		·			
			\$		
			=		
		·			
		·			
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

NCO 8769975

₩39

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
MBIN	405.	21000	9/28	330	418
			<u> </u>		-
			 		
					
					
			<u>.</u>		
			- - - -		·
			7.	<u> </u>	
		·			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MC0 8769976

t 38

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
137	SEWER	50	9/23		57
					ļ
					
	<u> </u>		-		
		 			
	<u> </u>				
-					
	-				
				-	
				· · · · · · · · · · · · · · · · · · ·	
•					
					

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MCQ 8769977

37

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
414540	GE 405	>1000			
			ļ		
			·		
					ļ
					<u> </u>
			-	ļ ·	
		<u> </u>	· ·		
			·	<u>.</u>	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

#36

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
112	164	/	3-25	500	78
=					
			ļ		
			 	ļ	ļ
			-		
·			 		
			-		
		 	<u>.</u>	 	
			= = = = = = = = = = = = = = = = = = = =		
·			ļ	} 	
· ·					
					
-					
					, , , , , , , , , , , , , , , , , , ,
		·			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

#35

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
(11	167	7	9-26	530m	78
			-		
			-	 	
			-		
			÷		
		·			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

NCO 8769980

#34

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
137	Sewer	300			
		<u></u>	ļ	ļ	
		 	ļ		
			 	 	<u> </u>
		 	 		
			 	 	-
			2		
1907					
		·			
·					<u></u>

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

#33

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
160	165	80			
165	165 SEWER	80 575			
			ļ		
			-		
				ļ	
		<u> </u>			
					
1					

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

#21

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Stillet	114	8	920		418 3059
114	114 Sower	900	9-21	5 m	2059
			<u> </u>		
				ļ	<u> </u>
			<u> </u>		
			ļ	<u> </u>	<u></u>
			ļ		
		·	·	ļ	
		ļ			
			ļ		
		,			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

#32-

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
201	Sower	290	9-20		418
		<u> </u>	<u> </u>		
			ļ		
			ļ		
			 		
		<u> </u>			
	<u> </u>		 		
			=		
	! 	·			
·					
·					
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

NCO 8769984

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Residue	16 409-		9-20-83	7-5m	2059
164 =	409.	711000.	9-20-83	100	2059
	CHLOR				
CHLOR	164		9/22		418
164	405	600	9/23		418
					
Pointre	105	· · · · · · · · · · · · · · · · · · ·	ź.		
105	165	9 .	9/26	500	418
			· .		
kilus	102	1/			
102	114	19	9/27	84	418
		·			
	2.			 	
		·			
		·			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

NCO 8769985



19

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Still	126	450	9/19	Zem	2059
Stil 126	126 403	71600	9/20		2059
			_		
			<u>.</u>		
.:			·		·
			_		
	_				
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

28

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
160	16.5	50			
160	601	50 >/occ	9/20		
			/		
			 		ļ
			ļ		
			<u>\$</u>		
			*		
	· · · · · · · · · · · · · · · · · · ·		*		
-					

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

#27

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
152		>1000	9/14	,	
152	114	IN SAMPLE 50	9/19	60B	418
152 152 114	405:	900	9/21		7
			·		
			1.		
:					·
			÷		
		·		_	
		·			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

#26

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
126	405	2/000	9-19-83	12 39m	2059
3 .		-			
			ż		
		<u>.</u>	5	 	
					
				·	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MC0 8769989

DEPT. 237 WASHOUT TRANSFER SHEET

25

					
From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
10		1			
201	SEWER	875-	9/19	438	418
			 		
					
					
		<u> </u>			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MC0 8769990

E.24

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
160	601	100 ppm	9-1683	200	3531
=		//			
			 		
					
			·	: 	
-			-	- 	
			:-		
,					
					
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

#23

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
SCRIBBER	101	75 ppm	9-16-83	500 900	353/
101	152	75 ppm 160 ppm	9-16-83	grea	353/
152	SEWER.	10	9-10-53	900	3531
		ļ	ļ ·		
		ļ			
	<u> </u>		ļ	 	
		ļ ————	-		
		·			
			7		
					
				 	
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MC0 8769992

#zz

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
CHLORINATOR	101	25 som	9-16-83	500	353/
101		25 ppm 160 ppm	9-16-83	900	353/
152	152 Sewer	10	9-16-83	900	3531
					
			÷		
			-		
		<u> </u>			
				1	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

#21

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
1.52					
	152	785	8/15/83	9 00	3531
152		785			
1528AMP	SEWER	785 785 2 nd 100			
	U				
			-		
					
					
				·	
				<u> </u>	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

tro

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Frakles	Saver	38%	9/15	218	57
		~			
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

NCO 8769995

#19-

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Stellfor	Cendue	100	9/16	200	418
Pendue	Sent r	50	9/19	1236	418 3545
		_			
				_	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

#18

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Scrubber	Some	51	9/15	212	57
		·			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

Wesh#17

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
TILL Pot	Residue	130	9/15	12 NOON	418
Rocidue	Residue Same	130 25°C	9/15	12 NOON 3 PM	418

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

Was 1 # 16

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
671 170000	Sue	55	9/12/5	1000	3575
					ļ
		·			
					
					
					
					

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

Wash #15

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
ResidueTank	405	325	9/14/27	1000	3575
			ļ	·	
,					
		·			
		·			
				·	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

#14

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Some	405	71000	9/14	1/A	4.6
3000			1		
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

Sample 13

Sample					
From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
102	Sewer	370	9/13/80	700	3545
		,	ļ		
			 		
					
	 			l	
					
					
					
1	i	·	1		

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

Survile 12

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
101	105	45	9/14/53	700	3545
105	Saver	700	9/14/83	1000	3545
			, ,	·	
) 					
				. <u></u> .	
					
				· · · · · · · · · · · · · · · · · · ·	
					

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

NCO 8770003

#11

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
SCRUBBER	Sewer	145	9/14	200	57
			 		
			 		
				· · · · · · · · · · · · · · · · · · ·	
				· · · · · · · · · · · · · · · · · · ·	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MC0 8770004

DEPT. 237 WASHOUT TRANSFER SHEET

#10

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
SRUBBE	Server	335	9/13	100	57
			1		
					·

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

Sunger #8

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
milken	SEWER	925	9/4/3	SAME TRUES	3545
					<u> </u>

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

Jungle #9

	,				
From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
114	405	>/000	9/14	1500	418

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

single #7

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Oleloninton 114	114	21	9-9-82		78 + 2059
114	114	21	9-9-82		
					
					
					
					
		·			
			-		ļ
					
				<u></u>	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

Sampic #6

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
Buenis!	405	21000	9-9-83	720	7812959
	! !				
	·				
				 	
					
	·			· · · · · · · · · · · · · · · · · · ·	
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

DEPT. 237 WASHOUT TRANSFER SHEET

Surpec #5

ince,		,	-,		
From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
152	4	>1000	9/12/33	800	357.5
152	405	>1000	9/12/33	SPM	357/5
					
				,	
	 		 		
				 -	
					
				i	
					 -
					
				· ·	

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

Surpei #4

DEPT. 237 WASHOUT TRANSFER SHEET

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
152	405	7 1000	9/9/83		
		ļ			
			-		
					
				· · · · · · · · · · · · · · · · · · ·	
					

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

Sample #3

DEPT. 237 WASHOUT TRANSFER SHEET

					,
From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
201	405	7 1000	9-9-83	8º PM	30594 78
	·				
		-			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MCG 8770012

DEPT. 237 WASHOUT TRANSFER SHEET

Simpli#2

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
103	Chlor Scrub	7 1000	9-9-83	800	7842059
	Chlor Serve 405	2/200			
	-				
		 			

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

MC0 8770013

DEPT. 237 WASHOUT TRANSFER SHEET

_ANTPLE# /

From Tank No.	To Tank No.	Phenol Content	Date	Time	Operator
101	126	270			
126	126	2/000	Q-16-83	600	3531
		·			
<u> </u>					
				-	

MCG 8770014

RECORD ALL TRANSFERS OF WASH WATER AND PHENOL CONTENT OF WASH PRIOR TO PUMPING.

Tallow Same Simple # through from Stant to final destination wante water took or Sewer